

# Household Hazardous Waste Infrastructure Grants



Making Maine's Waste Stream Safer  
by  
Taking the Toxics Out of Maine Homes

Maine State Planning Office

# Background

What is Household Hazardous Waste?



# Background, cont.

- 1998 - Mercury is targeted as the biggest threat to health and environment
- 1999 - 2001- HHW draft plan developed by DEP/ SPO
- 2000 - 2001 New laws and rules require/encourage the recycling of potential, obvious sources of exposure to mercury, lead, other heavy metals, and PCBs
- 2001 - Start up program directed at infrastructure with limited collection support

# Background, cont.

- “Shed program” other grants to aid the recycling of mercury, CRT, PCB waste items
- Natural Resources Committee looks at costs of HHW programs that ranks 4 scenarios for effectiveness by costs, volume, and participation



# **2003-2 HHW Basics**

- Participation in this grant program is voluntary
- Review process will be a SPO/DEP partnership
- These grants are competitive
- Matching funds may be required primarily on larger projects
- Emphasis on choice and flexibility within limits of funding legislation

# HHW - Part A

*for hard to manage but  
recyclable waste items*

- Encourage the recycling of CRTs
- Mercury added products
- Waste oil and antifreeze
- Waste paint

# HHW - Part A Basics

Waste oil and antifreeze storage tanks to DEP specs



*(Bath)*



# Sheds



*(Brunswick)*





*(Standish)*

# Central Accumulation Facilities



*(Rockland)*



# Central Accumulation Facilities



*(Sandy River Recycling Association)*

# Consolidation Facilities



*(Wisconsin)*

# Waste Paint Storage



*(Waldoboro)*

# Paint Crushers



*Single can*

*15 crushed cans*



- *Drains, crushes and ejects cans*
- *No need to remove lids*



# **HHW 2003-2 Part A**

## **Timeline and Contracting**

- Same time line/process as recycling grants
- Similar application as the mercury recycling assistance program
- 60 days to file application
- State agreement to purchase services
- “Shed program” will stay the same
- Ability to roll multiple part A proposals into single application



# **Cleaning out the Bad Stuff: an introduction to the concept of permanent HHW facilities**



# **HHW - Part B Grants**

- To manage all types of household hazardous wastes through permanent regional collection centers

# **HHW - Part B:**

## **Permanent HHW Regional Collection Centers**

- Only regional proposals will be considered.
- These grants are for the installation or construction of facilities and equipment necessary for the safe collection and management of HHW
- SPO's intention is to increase public access to HHW collection programs by encouraging the establishment of regional publicly owned HHW collection centers.

# Regional Collection Centers - RCCs

- RCC options that may be funded include but are not limited to:
  - A fixed permanent center;
  - A fixed permanent center with fixed satellite stations;
  - A fixed permanent center with a mobile unit(s);
  - A mobile unit that performs collection events.
  - Other
  - All options must include a permanent public education/awareness campaign

# **Fixed Regional Collection Center Categories**

- Small scale - has storage space, but no indoor office, lab, bulking, or reuses spaces.
- Medium scale - a wide range of variations; the medium-scale center may have some space for receiving and storage, plus some bulking and testing areas, and maybe a nearby office.

# Small scale facility



# Medium scale facility



*(North Carolina)*



# Categories, cont.

- Full scale center - has indoor space for all of the HHW activities: receiving, storing, lab work, office work, consolidation, storing for reuse, storing for transport.



# **Planning for a Regional Collection Center**

Some factors to be considered may include:

- Level of service
- Existing space, location, and staffing
- Budget limits

# Level of Service

- Staffing level and training will have to be equal to the expected or proposed level of participation
- The intended level of management for those waste items
- Limits of your budget

# **Existing Space, Location, and Staffing**

- Is there space to retrofit or add on to an existing building?
- If so, this may be a less expensive option and may allow for efficient use of staff time as well.
- If the center is to be run with additional staff more often than once per month, then work space may need to be provided.

# Budget Limits

- What will be the sources of support for the operations of a permanent facility
- Solid waste, or health and safety, or sewer district budget
- Local taxes and/or fees
- State funding for operations
- Funds distributed from fees collected through product stewardship programs

# Types of Structures

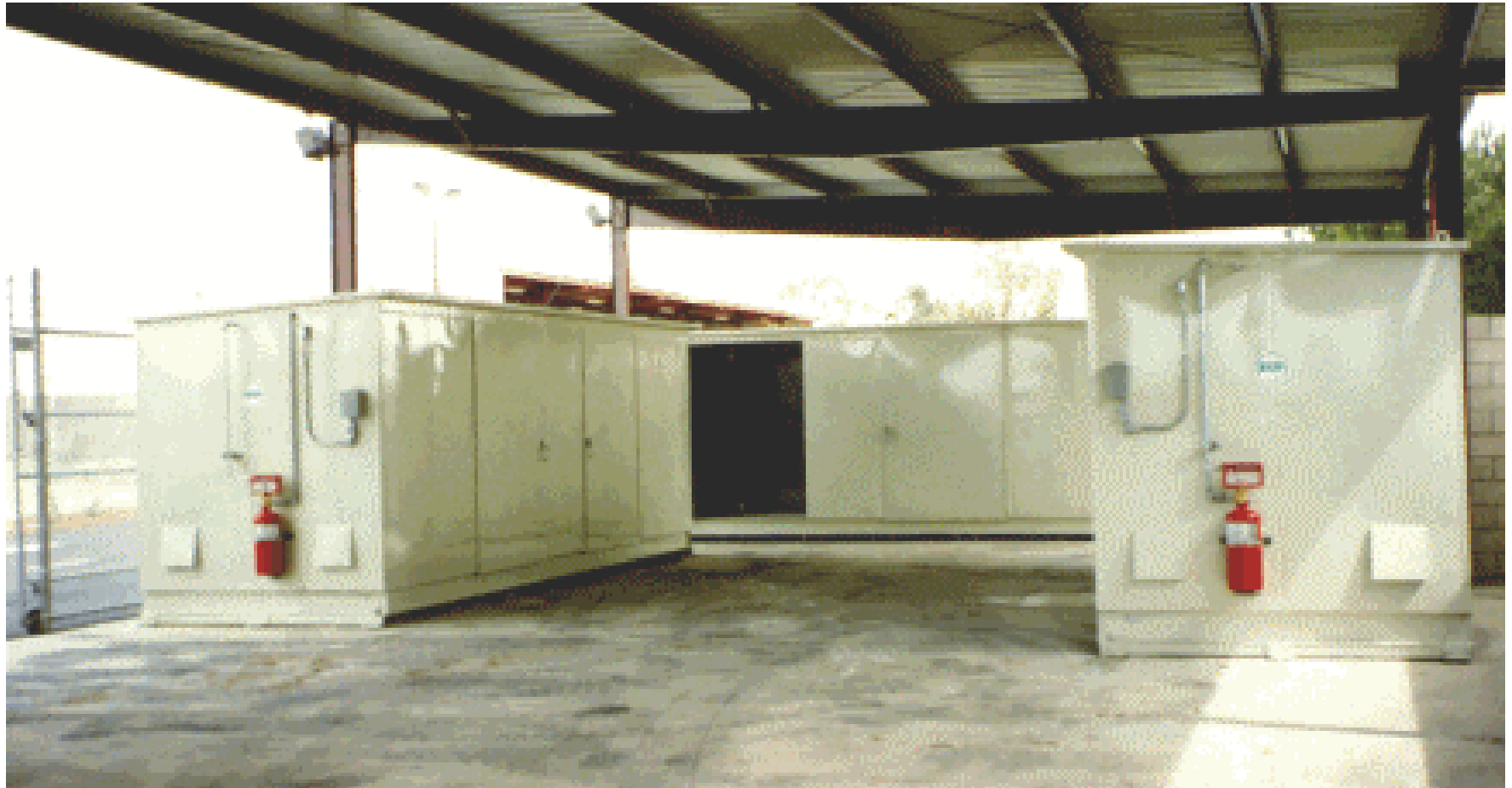
- Prefabricated metal buildings
- Precast concrete
- Modified trailers or containers
- Retrofits and additions
- New construction



# Prefabrications

- Nationally, the most commonly used is the prefab hazardous waste storage unit
- Available with all kinds of safety features
- May save on engineering design fees
- Provides storage space but does not usually allow for any work area (for bulking, sorting, testing, or office work)

# Example of Prefab HHW Center



# **Proposed Review Criteria for Permanent Regional Collection Centers**

- Population served
- Level of existing solid waste infrastructure and operations
- Experience with HHW collections
- History of regional cooperation
- Level of support from staff, citizens, public officials

# Public Education and Awareness Requirement

- School education programs, including any colleges located in the community
- Education shall include alternatives to purchase and disposal of hazardous household products
- Public presentations
- Radio, TV, newsletters, newspapers
- Periodic displays at local libraries
- Retailer awareness campaign
- Adoption of a constant symbol and color

# RCC timeline

- Timeline for the application process for the permanent HHW facilities will be responsive to needs of individual applicants
- We anticipate that additional time will be needed (more than the 60 days for the other grant items) in order for all involved parties to consider the project and to gather the necessary information and support.
- Applicants and SPO staff will be working with DEP staff to develop the operational standards and criteria for their proposals as the individual projects proceed.

# Statewide Service Agreements

- Electronics
  - Currently Electronicycle
- Mercury added products
  - Currently Full Circle

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